L11 ANSWER 93 OF 95 DGENE COPYRIGHT 2006 The Thomson Corp on STN
ACCESSION NUMBER: AAW34569 peptide DGENE
TITLE: Recovery of fibrinogen using polysaccharide solid support coupled to fibrinogen-binding peptide - requires only mild elution buffers
INVENTOR: Goss N; Kanellos J; Oates A; Pham H
PATENT ASSIGNEE: (CSLC-N)CSL LTD.
PATENT INFO: WO 9726280 A1 19970724 24
APPLICATION INFO: WO 1997-AU13 19970114
PRIORITY INFO: AU 1996-7564 19960116
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: 1997-385298 [35]
DESCRIPTION: Synthetic fibrinogen binding peptide 2.
AB Peptides AAW34568-71 are synthetic **fibrinogen** binding peptides. A tripeptide, **Gly-Pro-Arg** is also claimed. This tripeptide sequence corresponds to the first 3 amino acids of the alpha-chain exposed by the thrombin catalysed release of the **fibrinopeptide** A in all vetebrate species. In peptide AAW34568, the addition of a proline residue at position 4 increases the **affinity** of the peptide for **fibrinogen** almost tenfold. These synthetic **fibrinogen** binding peptides are immobilised on a novel polysaccharide support (e.g. Sephadex), to which they are **coupled** through a spacer or linker moiety. This linker moiety comprises a chain of greater then 7 atoms. The solid support is useful for the recovery and isolation of **fibrinogen** from material such as plasma, plasma fractions and **fibrinogen**-containing cell culture media arising from the production of **fibrinogen** by recombinant DNA techniques. The process is superior to other known **affinity** isolation procedures in that only mild elution buffers are required to recover the bound **fibrinogen**.
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